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\* Practice Limited to Federal Agencies

JFW

August 19, 2004

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Commissioner for Patents  
PO Box 1450  
Alexandria, VA 22313-1450

**Art Unit 2623**

Re: U.S. Utility Patent Application  
Application No. 10/631,899; Filed: August 1, 2003  
For: **System and Method for Counting Ridges in a Captured Print Image**  
Inventors: Cannon *et al.*  
Our Ref: 1823.0680001

Sir:

Transmitted herewith for appropriate action are the following documents:

1. Information Disclosure Statement;
2. Form PTO-1449 citing documents (AA1-AA8, AB1-AB8, AC1-AC8, AD1-AD8, AE1-AE14, AF1-AF14, AG1-AG14, AH1-AH14, AI1-AI14, AJ1-AJ14, AK1-AK14, AL1-AL13, AM1-AM13);
3. Copies of the cited documents on Form PTO-1449; and
4. Return postcard.

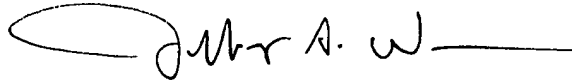
It is respectfully requested that the attached postcard be stamped with the date of filing of these documents, and that it be returned to our courier. In the event that extensions of time are necessary to prevent abandonment of this patent application, then such extensions of time are hereby petitioned.

Commissioner for Patents  
August 19, 2004  
Page 2

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

A handwritten signature in dark ink, appearing to read "Jeffrey S. Weaver", followed by a horizontal line.

Jeffrey S. Weaver  
Attorney for Applicants  
Registration No. 45,608

JSW/asl  
Enclosure



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

CANNON *et al.*

Appl. No.: 10/631,899

Filed: August 1, 2003

For: **System and Method for Counting  
Ridges in a Captured Print Image**

Confirmation No.: 9805

Art Unit: 2623

Examiner: Kim, Chong R.

Atty. Docket: 1823.0680001

**Information Disclosure Statement**

Commissioner for Patents  
PO Box 1450  
Alexandria, VA 22313-1450

Sir:

Listed on accompanying Form PTO-1449 are documents that may be considered material to the examination of this application, in compliance with the duty of disclosure requirements of 37 C.F.R. §§ 1.56, 1.97 and 1.98. This IDS is supplemental to an electronic IDS filed the same day. Any fee necessary for consideration of this IDS has been authorized or otherwise submitted with the electronic IDS.

Where the publication date of a listed document does not provide a month of publication, the year of publication of the listed document is sufficiently earlier than the effective U.S. filing date and any foreign priority date so that the month of publication is not in issue. Applicants have listed publication dates on the attached PTO-1449 based on information presently available to the undersigned. However, the listed publication dates should not be construed as an admission that the information was actually published on the date indicated.

Applicants reserve the right to establish the patentability of the claimed invention over any of the information provided herewith, and/or to prove that this information may

not be prior art, and/or to prove that this information may not be enabling for the teachings purportedly offered.

This statement should not be construed as a representation that a search has been made, or that information more material to the examination of the present patent application does not exist. The Examiner is specifically requested not to rely solely on the material submitted herewith.

Applicants have checked the appropriate boxes below.

- ☐ 1. Statement under 37 C.F.R. 1.704(d). Each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart application and this communication was not received by any individual designated in 37 C.F.R. § 1.56(c) more than thirty days prior to the filing of this information disclosure statement.
- ☐ 2. Filing under 37 C.F.R. § 1.97(b). This Information Disclosure Statement is being filed within three months of the date of filing of a national application other than a continued prosecution application (CPA), OR within three months of the date of entry of the national stage as set forth in 37 C.F.R. § 1.491 in an international application, OR before the mailing date of a first Office Action on the merits OR before the mailing of a first Office Action after the filing of a request for continued examination under 37 C.F.R. § 1.114. No statement or fee is required.
- ☒ 3. Filing under 37 C.F.R. § 1.97(c). This Information Disclosure Statement is being filed more than three months after the U.S. filing date AND after the mailing date of the first Office Action on the merits, but before the mailing date of a Final

Rejection, or Notice of Allowance, or an action that otherwise closes prosecution in the application.

- ☐ a. Statement under 37 C.F.R. § 1.97(e)(1). I hereby state that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. § 1.97(e)(1).
- ☐ b. Statement under 37 C.F.R. § 1.97(e)(2). I hereby state that no item of information in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to my knowledge after making reasonable inquiry, was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. § 1.97(e)(2).
- ☒ c. Payment of the fee under 37 C.F.R. § 1.17(p) has already been made with an Electronic IDS filed today.
- ☐ 4. Filing under 37 C.F.R. § 1.97(d) This Information Disclosure Statement is being filed more than three months after the U.S. filing date and after the mailing date of a Final Rejection or Notice of Allowance, but before payment of the Issue Fee. Enclosed find our PTO-2038 Credit Card Payment Form in the amount of \$\_\_\_\_\_ in payment of the fee under 37 C.F.R. § 1.17(p); in addition:

- ☐ a. Statement under 37 C.F.R. § 1.97(e)(1). I hereby state that each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. § 1.97(e)(1).
- ☐ b. Statement under 37 C.F.R. § 1.97(e)(2). I hereby state that no item of information in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to my knowledge after making reasonable inquiry, was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. § 1.97(e)(2).
- ☐ 5. The document(s) was/were cited in a search report by a foreign patent office in a counterpart foreign application. Submission of an English language version of the search report that indicates the degree of relevance found by the foreign office is provided in satisfaction of the requirement for a concise explanation of relevance. 1138 OG 37, 38.
- ☒ 6. A concise explanation of the relevance of the non-English language documents appears below:
- Document AB4 (JP 62-212892 A) appears to describe a finger print pattern input device. An English-language abstract of document AB4 is enclosed as document AJ13.

Document AC4 (JP 1-205392 A) appears to describe a finger picture input device. An English-language abstract of document AC4 is enclosed as document AK13.

Document AD4 (JP 3-161884 A) appears to describe a finger image input device. An English-language abstract of document AD4 is enclosed as document AL13.

Document AA5 (JP 3-194674 A) appears to describe a finger image input device. An English-language abstract of document AA5 is enclosed as document AM13.

Document AB5 (JP 3-194675 A) appears to describe a finger image input device. An English-language abstract of document AB5 is enclosed as document AE14.

Document AC5 (JP 11-225272 A) appears to describe an image reader. An English-language abstract of document AC5 is enclosed as document AI14.

Document AD5 (JP 11-289421 A) appears to describe an image reader. An English-language abstract of document AD5 is enclosed as document AK14.

Document AD7 (WO 98/09246 A1) appears to describe a method and device for recognizing non-unrolled fingerprints. The cover page of document AD7 contains an English-language abstract.

Document AD8 (WO 99/40535 A1) appears to describe a method and arrangement for obtaining image information relating to surface structures. The cover page of document AD8 contains an English-language abstract.

☒ 7. Copies of the documents are submitted herewith.

- ☐ 8. Copies of the documents were cited by or submitted to the Office in an IDS that complies with 37 C.F.R. § 1.98(a)-(c) in Application No. \_\_\_\_\_, filed \_\_\_\_\_, which is relied upon for an earlier filing date under 35 U.S.C. § 120. Thus, copies of these documents are not attached. 37 C.F.R. § 1.98(d).
- ☐ 9. No copies of U.S. patents and patent application publications cited on the attached Form PTO-1449 are submitted in accordance with 1276 OG 55 because this application was filed after June 30, 2003.
- ☐ 10. It is expected that the examiner will review the prosecution and cited art in the parent application no(s). \_\_\_\_\_ in accordance with MPEP 2001.06(b), and indicate in the next communication from the office that the art cited in the earlier prosecution history has been reviewed in connection with the present application.

It is respectfully requested that the Examiner initial and return a copy of the enclosed PTO-1449, and indicate in the official file wrapper of this patent application that the documents have been considered.



The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

A handwritten signature in black ink, appearing to read "Jeffrey S. Weaver", followed by a horizontal line.

Jeffrey S. Weaver  
Attorney for Applicants  
Registration No. 45,608

Date: 8-18-04

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FORM PTO-1449

INFORMATION DISCLOSURE STATEMENTATTY. DOCKET NO.  
1823.0680001APPLICATION NO.  
10/631,899INVENTORS  
CANNON *et al.*FILING DATE  
August 1, 2003ART UNIT  
2623**FOREIGN PATENT DOCUMENTS**

EXAMINER INITIAL	DOC. REF.	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AA1	0 101 772 A1	03/1984	EP			N/A
	AB1	0 308 162 A2 & A3	03/1989	EP			N/A
	AC1	0 379 333 A1	07/1990	EP			N/A
	AD1	0 379 333 B1	07/1995	EP			N/A

**OTHER (Including Author, Title, Date, Pertinent Pages, etc.)**

AE1	Btt (Biometric Technology Today), Finger technologies contacts, 2 pages.
AF1	Drake, M.D. <i>et al.</i> , "Waveguide hologram fingerprint entry device," <i>Optical Engineering</i> , Vol. 35, No. 9, September 1996, pp. 2499-2505.
AG1	Roethenbaugh, G. (ed.), <i>Biometrics Explained</i> , 1998, ICSA, pp. 1-34.
AH1	<i>Automated Identification Systems</i> (visited May 20, 1999) < <a href="http://www.trw.com/idsystems/bldgaccess2.html">http://www.trw.com/idsystems/bldgaccess2.html</a> >, 1 page, Copyright 1999.
AI1	<i>Ultra-Scan Corporation Home Page</i> (visited May 20, 1999) < <a href="http://www.ultra-scan.com/index.htm">http://www.ultra-scan.com/index.htm</a> >, 3 pages. (discusses technology as early as 1996)
AJ1	<i>Profile</i> (last updated August 16, 1998) < <a href="http://www.dermalog.de/Britain/Profile/profile.htm">http://www.dermalog.de/Britain/Profile/profile.htm</a> >, 3 pages. (discusses technology as early as 1990)
AK1	<i>ID-Card System Technical Specifications</i> (last updated July 18, 1998) < <a href="http://dermalog.de/Britain/Products/ID-Card/idcard2.htm">http://dermalog.de/Britain/Products/ID-Card/idcard2.htm</a> >, 2 pages.
AL1	<i>Fujitsu Limited Products and Services</i> (updated April 21, 1999) < <a href="http://www.fujitsu.co.jp/hypertext/Products/index-e.html">http://www.fujitsu.co.jp/hypertext/Products/index-e.html</a> >, 3 pages, Copyright 1995-1999.
AM1	<i>SonyDCam</i> (visited May 20, 1999) < <a href="http://www.microsoft.com/DDK/ddkdocs/Win2k/sonydcam.htm">http://www.microsoft.com/DDK/ddkdocs/Win2k/sonydcam.htm</a> >, 3 pages, Copyright 1999.

EXAMINER

DATE CONSIDERED

**EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

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INFORMATION DISCLOSURE STATEMENTATTY. DOCKET NO.  
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2623**FOREIGN PATENT DOCUMENTS**

EXAMINER INITIAL	DOC. REF.	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AA2	0 623 890 A2 & A3	11/1994	EP			N/A
	AB2	0 623 890 B1	08/2001	EP			N/A
	AC2	0 653 882 A1	05/1995	EP			N/A
	AD2	0 785 750 B1	06/1999	EP			N/A

**OTHER (Including Author, Title, Date, Pertinent Pages, etc.)**

	AE2	<i>Verid Fingerprint Verification</i> (visited May 17, 1999) < <a href="http://www.tssi.co.uk/products/finger.html">http://www.tssi.co.uk/products/finger.html</a> >, 2 pages.
	AF2	<i>Startek's Fingerprint Verification Products: Fingerguard FG-40</i> (visited May 18, 1999) < <a href="http://www.startek.com.tw/product/fg40/fg40.html">http://www.startek.com.tw/product/fg40/fg40.html</a> >, 3 pages.
	AG2	<i>SAC Technologies Showcases Stand-Alone SAC-Remote(TM)</i> (visited May 18, 1999) < <a href="http://www.pathfinder.com/money/latest/press/PW/1998Mar25/1026.html">http://www.pathfinder.com/money/latest/press/PW/1998Mar25/1026.html</a> >, 2 pages.
	AH2	"Biometrics, The Future Is Now," <i>www.securitymagazine.com</i> , May 1999, pp. 25-26.
	AI2	<i>Mytec Technologies Gateway</i> , (visited April 27, 1999) < <a href="http://www.mytec.com/Products/gateway/">http://www.mytec.com/Products/gateway/</a> >, 1 page.
	AJ2	<i>Mytec Technologies Gateway: Features &amp; Benefits</i> , (visited April 27, 1999) < <a href="http://www.mytec.com/Products/gateway/features.htm">http://www.mytec.com/Products/gateway/features.htm</a> >, 1 page.
	AK2	<i>Mytec Technologies Touchstone Pro</i> , (visited April 27, 1999) < <a href="http://www.mytec.com/Products/Touchstone/">http://www.mytec.com/Products/Touchstone/</a> >, 1 page.
	AL2	<i>Mytec Technologies Touchstone Pro: Features</i> , (visited April 27, 1999) < <a href="http://www.mytec.com/Products/Touchstone/features.htm">http://www.mytec.com/Products/Touchstone/features.htm</a> >, 1 page.
	AM2	<i>Electronic Timeclock Systems and Biometric Readers</i> (last updated April 17, 1999) < <a href="http://www.lfs-hr-bene.com/tclocks.html">http://www.lfs-hr-bene.com/tclocks.html</a> >, 1 page.

EXAMINER

DATE CONSIDERED

**EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449 <b>INFORMATION DISCLOSURE STATEMENT</b>				ATTY. DOCKET NO. 1823.0680001		APPLICATION NO. 10/631,899	
				INVENTORS CANNON <i>et al.</i>			
				FILING DATE August 1, 2003		ART UNIT 2623	
<b>FOREIGN PATENT DOCUMENTS</b>							
EXAMINER INITIAL	DOC. REF.	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AA3	0 889 432 A2 & A3	01/1999	EP			N/A
	AB3	0 905 646 A1	03/1999	EP			N/A
	AC3	0 924 656 A2	06/1999	EP			N/A
	AD3	2 089 545 A	06/1982	GB			N/A
<b>OTHER (Including Author, Title, Date, Pertinent Pages, etc.)</b>							
	AE3	<i>Fingerprint Time Clock</i> (visited May 17, 1999) < <a href="http://www.lfs-hr-bene.com/Biometrics/Fingerprintclock.html">http://www.lfs-hr-bene.com/Biometrics/Fingerprintclock.html</a> >, 6 pages.					
	AF3	<i>KC-901: The KSI fingerprint sensor</i> (visited May 17, 1999) < <a href="http://www.kinetic.bc.ca/kc-901.html">http://www.kinetic.bc.ca/kc-901.html</a> >, 3 pages.					
	AG3	<i>INTELNET INC.</i> (visited May 20, 1999) < <a href="http://www.intelgate.com/index.html">http://www.intelgate.com/index.html</a> >, 1 page, Copyright 1996.					
	AH3	<i>Ver-i-Fus Fingerprint Access Control System</i> (visited May 20, 1999) < <a href="http://www.intelgate.com/verifus.htm">http://www.intelgate.com/verifus.htm</a> >, 2 pages. (Ver-i-fus product released in 1995)					
	AI3	<i>Ver-i-fus® Configurations</i> (visited May 20, 1999) < <a href="http://www.intelgate.com/verconfig.htm">http://www.intelgate.com/verconfig.htm</a> >, 1 page. (Ver-i-fus product released in 1995)					
	AJ3	<i>Ver-i-Fus® &amp; Ver-i-Fus<sup>mil</sup>®</i> (visited May 20, 1999) < <a href="http://www.intelgate.com/vif_data.htm">http://www.intelgate.com/vif_data.htm</a> >, 3 pages. (Ver-i-fus product released in 1995)					
	AK3	<i>Access Control System Configurations</i> (visited May 20, 1999) < <a href="http://www.intelgate.com/access.htm">http://www.intelgate.com/access.htm</a> >, 2 pages. (Ver-i-fus product released in 1995)					
	AL3	<i>Company</i> (visited May 17, 1999) < <a href="http://www.instainfo.com.company.htm">http://www.instainfo.com.company.htm</a> >, 2 pages.					
	AM3	<i>TouchLock™ II Fingerprint Identity Verification Terminal</i> (visited May 17, 1999) < <a href="http://www.identix.com/TLock.htm">http://www.identix.com/TLock.htm</a> >, 4 pages.					
EXAMINER					DATE CONSIDERED		
<b>EXAMINER:</b> Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.							

FORM PTO-1449 INFORMATION DISCLOSURE STATEMENT				ATTY. DOCKET NO. 1823.0680001		APPLICATION NO. 10/631,899	
				INVENTORS CANNON <i>et al.</i>			
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EXAMINER INITIAL	DOC. REF.	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AA4	2 313 441 A	11/1997	GB			N/A
	AB4	62-212892 A	09/1987	JP			No
	AC4	1-205392 A	08/1989	JP			No
	AD4	3-161884 A	07/1991	JP			No
OTHER (Including Author, Title, Date, Pertinent Pages, etc.)							
	AE4	Physical Security and Staff Tracking Solutions (visited May 17, 1999) < <a href="http://www.identix.com/products/biosecurity.html">http://www.identix.com/products/biosecurity.html</a> >, 3 pages, Copyright 1996-1998.					
	AF4	Veriprint2000 Fingerprint Verification Terminal For Use With Jantek Time & Attendance Software (visited May 17, 1999) < <a href="http://www.hunterequipment.com/fingerprint.htm">http://www.hunterequipment.com/fingerprint.htm</a> >, 2 pages.					
	AG4	Veriprint Product Applications (visited April 27, 1999) < <a href="http://www.biometricid.com/uses.htm">http://www.biometricid.com/uses.htm</a> >, 1 page, Copyright 1999.					
	AH4	BII Home Page (visited April 27, 1999) < <a href="http://www.biometricid.com/homepage.htm">http://www.biometricid.com/homepage.htm</a> >, 1 page, Copyright 1999.					
	AI4	Veriprint 2100 Stand-Alone Fingerprint Verification Terminal (visited April 27, 1999) < <a href="http://www.biometricid.com/veriprint2100.htm">http://www.biometricid.com/veriprint2100.htm</a> >, 3 pages.					
	AJ4	Randall, N., "A Serial Bus on Speed," <i>PC Magazine</i> , May 25, 1999, pp. 201-203.					
	AK4	The DERMALOG Check-ID (visited November 12, 1999) < <a href="http://www.dermalog.de/ganzneu/products_check.html">http://www.dermalog.de/ganzneu/products_check.html</a> >, 1 page.					
	AL4	Check-ID Specifications and Features (visited November 12, 1999) < <a href="http://www.dermalog.de/ganzneu/spec_check.html">http://www.dermalog.de/ganzneu/spec_check.html</a> >, 1 page, Copyright 1999.					
	AM4	Startek's Fingerprint Verification Products: FingerFile 1050 (visited October 8, 1999) < <a href="http://www.startek.com.tw/product/ff1050/ff1050.html">http://www.startek.com.tw/product/ff1050/ff1050.html</a> >, 3 pages.					
EXAMINER					DATE CONSIDERED		
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	AA5	3-194674 A	08/1991	JP			No
	AB5	3-194675 A	08/1991	JP			No
	AC5	11-225272 A	08/1999	JP			No
	AD5	11-289421 A	10/1999	JP			No
OTHER (Including Author, Title, Date, Pertinent Pages, etc.)							
	AE5	Time is Money! (visited June 5, 1998) < <a href="http://www.iaus.com/afim.htm">http://www.iaus.com/afim.htm</a> >, 3 pages.					
	AF5	LS 1 LiveScan Booking Workstation High Performance Finger & Palm Scanning System (visited June 4, 1998) < <a href="http://www.hbs-jena.com/ls1.htm">http://www.hbs-jena.com/ls1.htm</a> >, 6 pages, Copyright 1998.					
	AG5	Welcome to the Homepage of Heimann Biometric Systems GMBH (visited June 4, 1998) < <a href="http://www.hbs-jena.com/">http://www.hbs-jena.com/</a> >, 1 page, Copyright 1998.					
	AH5	Heimann Biometric Systems Corporate Overview (visited June 4, 1998) < <a href="http://www.hbs-jena.com/company.htm">http://www.hbs-jena.com/company.htm</a> >, 4 pages, Copyright 1998.					
	AI5	Remote Access Positive IDentification - raPID (visited June 3, 1998) < <a href="http://www.nec.com/cgi-bin/showproduct.exe?pro...emote+Access+Positive+IDentification+%2D+raPID">http://www.nec.com/cgi-bin/showproduct.exe?pro...emote+Access+Positive+IDentification+%2D+raPID</a> >, 2 pages, Copyright 1997.					
	AJ5	Morpho DigiScan Cellular (visited June 3, 1998) < <a href="http://www.morpho.com/products/law_enforcement/digiscan/cellular.htm">http://www.morpho.com/products/law_enforcement/digiscan/cellular.htm</a> >, 2 pages, Copyright 1998.					
	AK5	A.F.I.S. (last updated April 2, 1998) < <a href="http://www.dermalog.de/afis.htm">http://www.dermalog.de/afis.htm</a> >, 2 pages.					
	AL5	Morpho FlexScan Workstation (visited June 3, 1998) < <a href="http://www.morpho.com/products/law_enforcement/flexscan/">http://www.morpho.com/products/law_enforcement/flexscan/</a> >, 2 pages, Copyright 1998.					
	AM5	True-ID® The LiveScan with special "ability"..., 2 pages.					
EXAMINER					DATE CONSIDERED		
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	INVENTORS CANNON <i>et al.</i>	
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## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOC. REF.	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AA6	WO 87/02491 A1	04/1987	PCT			N/A
	AB6	WO 90/03620 A1	04/1990	PCT			N/A
	AC6	WO 92/11608 A1	07/1992	PCT			N/A
	AD6	WO 94/22371 A2 & A3	10/1994	PCT			N/A

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AE6	<i>Printrak International: User List</i> (visited June 3, 1998) < <a href="http://www.printrakinternational.com">http://www.printrakinternational.com</a> and links>, 10 pages, Copyright 1996.
	AF6	<i>Live-Scan Products: Tenprinter® 1133S</i> (visited April 23, 1999) < <a href="http://www.digitalbiometrics.com/Products/tenprinter.htm">http://www.digitalbiometrics.com/Products/tenprinter.htm</a> >, 4 pages. (Tenprinter 1133S released in 1996)
	AG6	<i>TouchPrint™ 600 Live-Scan System</i> (visited November 17, 1999) < <a href="http://www.identix.com/products/livescan.htm">http://www.identix.com/products/livescan.htm</a> >, 4 pages, Copyright 1996-1998.
	AH6	Systems for Live-Scan Fingerprinting, Digital Biometrics, Inc., 8 pages, Copyright 1998.
	AI6	DBI FingerPrinter CMS, Digital Biometrics, Inc., 5 pages. (CMS released in 1998)
	AJ6	Fingerscan V20, Identix Incorporated, 1 page, Copyright 1999.
	AK6	Verid Fingerprint Reader, TSSI, 4 pages.
	AL6	Response to Request for Information, Cross Match Technologies, Inc., 13 pages, April 14, 1999.
	AM6	<i>Startek's Fingerprint Verification Products</i> (visited November 17, 1999) < <a href="http://www.startek.com.tw/product/index.html">http://www.startek.com.tw/product/index.html</a> >, 1 page.

EXAMINER

DATE CONSIDERED

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	AA7	WO 96/17480 A2 & A3	06/1996	PCT			N/A
	AB7	WO 97/29477 A1	08/1997	PCT			N/A
	AC7	WO 97/41528 A1	11/1997	PCT			N/A
	AD7	WO 98/09246 A1	03/1998	PCT			No
<b>OTHER (Including Author, Title, Date, Pertinent Pages, etc.)</b>							
	AE7	<i>Introduction to Startek's Fingerprint Verification Products</i> (visited November 17, 1999) < <a href="http://www.startek.com.tw/product/index2.html">http://www.startek.com.tw/product/index2.html</a> >, 2 pages.					
	AF7	<i>Automatic Fingerprint Identification Systems</i> (visited November 17, 1999) < <a href="http://www.sagem.com/en/produit4-en/empreinte-dig-en.htm">http://www.sagem.com/en/produit4-en/empreinte-dig-en.htm</a> >, 1 page.					
	AG7	<i>Digital Biometrics Corporate Information</i> (visited November 17, 1999) < <a href="http://www.digitalbiometrics.com/Corporate_info/Corporate_info.htm">http://www.digitalbiometrics.com/Corporate_info/Corporate_info.htm</a> >, 2 pages. (discusses technology as early as 1985)					
	AH7	<i>DBI Live-Scan Products: Digital Biometrics TENPRINTER</i> (visited November 17, 1999) < <a href="http://www.digitalbiometrics.com/products/tenprinter.htm">http://www.digitalbiometrics.com/products/tenprinter.htm</a> >, 4 pages. (Tenprinter released in 1996)					
	AI7	<i>DBI Live-Scan Products: NETWORKING OPTIONS</i> (visited November 17, 1999) < <a href="http://www.digitalbiometrics.com/products/networking_options.htm">http://www.digitalbiometrics.com/products/networking_options.htm</a> >, 3 pages.					
	AJ7	<i>DBI Live-Scan Products: Digital Biometrics FingerPrinter CMS</i> (visited November 17, 1999) < <a href="http://www.digitalbiometrics.com/products/FingerPrinterCMS.htm">http://www.digitalbiometrics.com/products/FingerPrinterCMS.htm</a> >, 3 pages. (CMS released in 1998)					
	AK7	<i>DBI Live-Scan Products: Image Printer Stations</i> (visited November 17, 1999) < <a href="http://www.digitalbiometrics.com/products/imageprinter.htm">http://www.digitalbiometrics.com/products/imageprinter.htm</a> >, 2 pages.					
	AL7	<i>DBI Live-Scan Products: FC-21 Fingerprint Capture Station</i> (visited November 17, 1999) < <a href="http://www.digitalbiometrics.com/products/Fingerprintcapture.htm">http://www.digitalbiometrics.com/products/Fingerprintcapture.htm</a> >, 2 pages.					
	AM7	<i>Series 400 OEM Scanner</i> (visited November 17, 1999) < <a href="http://www.ultra-scan.com/400.htm">http://www.ultra-scan.com/400.htm</a> >, 3 pages. (Scanner released in 1996)					
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EXAMINER INITIAL	DOC. REF.	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AA8	WO 98/12670 A1	03/1998	PCT			N/A
	AB8	WO 99/12123 A1	03/1999	PCT			N/A
	AC8	WO 99/26187 A1	05/1999	PCT			N/A
	AD8	WO 99/40535 A1	08/1999	PCT			No
<b>OTHER (Including Author, Title, Date, Pertinent Pages, etc.)</b>							
	AE8	<i>USC Scanner Design</i> (visited November 17, 1999) < <a href="http://www.ultra-scan.com/scanner.htm">http://www.ultra-scan.com/scanner.htm</a> >, 4 pages. (Scanner released in 1996)					
	AF8	<i>Series 500/600 Scanners</i> (visited November 17, 1999) < <a href="http://www.ultra-scan.com/500.htm">http://www.ultra-scan.com/500.htm</a> >, 3 pages. (Scanner released in 1996)					
	AG8	<i>Series 700 ID Station</i> (visited November 17, 1999) < <a href="http://www.ultra-scan.com/700.htm">http://www.ultra-scan.com/700.htm</a> >, 3 pages. (Scanner released in 1998)					
	AH8	<i>Identix: The Corporation</i> (visited November 17, 1999) < <a href="http://www.identix.com/corporate/home.htm">http://www.identix.com/corporate/home.htm</a> >, 2 pages, Copyright 1996-1998.					
	AI8	<i>Biometric Imaging Products</i> (visited November 17, 1999) < <a href="http://www.identix.com/products/bioimage.htm">http://www.identix.com/products/bioimage.htm</a> >, 1 page, Copyright 1996-1998.					
	AJ8	<i>TouchPrint™ 600 Live-Scan System</i> (visited April 23, 1999) < <a href="http://www.identix.com/products/livescan.htm">http://www.identix.com/products/livescan.htm</a> >, 4 pages, Copyright 1996-1998.					
	AK8	<i>TouchPrint™ 600 Palm Scanner</i> (visited November 17, 1999) < <a href="http://www.identix.com/products/palmscan.htm">http://www.identix.com/products/palmscan.htm</a> >, 3 pages, Copyright 1996-1998.					
	AL8	<i>TouchPrint™ 600 Card Scan System</i> (visited November 17, 1999) < <a href="http://www.identix.com/products/cardscan.htm">http://www.identix.com/products/cardscan.htm</a> >, 3 pages, Copyright 1996-1998.					
	AM8	<i>DERMALOG KEY - The safest and easiest way of access control</i> (Last updated July 18, 1998) < <a href="http://www.dermalog.de/Britain/Products/Key/key.htm">http://www.dermalog.de/Britain/Products/Key/key.htm</a> >, 1 page.					
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EXAMINER INITIAL	DOC. REF.	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AA9						Yes No
	AB9						Yes No
	AC9						Yes No
	AD9						Yes No
<b>OTHER (Including Author, Title, Date, Pertinent Pages, etc.)</b>							
	AE9	<i>DERMALOG FINGER-ID Your small size solution for high security</i> (Last updated July 18, 1998) <a href="http://www.dermalog.de/Britain/Products/Finger/fingerid.htm">http://www.dermalog.de/Britain/Products/Finger/fingerid.htm</a> , 1 page.					
	AF9	<i>Mytec: Corporate</i> (visited November 17, 1999) <a href="http://www.mytec.com/corporate/">http://www.mytec.com/corporate/</a> , 2 pages.					
	AG9	<i>Kinetic Sciences Inc. Fingerprint Biometrics Division</i> (visited November 17, 1999) <a href="http://www.kinetic.bc.ca/main-FPB.html">http://www.kinetic.bc.ca/main-FPB.html</a> , 1 page.					
	AH9	<i>Fingerprint Biometrics: Securing The Next Generation</i> , May 19, 1999, (visited November 17, 1999) <a href="http://www.secugen.com/pressrel.htm">http://www.secugen.com/pressrel.htm</a> , 2 pages.					
	AI9	<i>Secugen Unveils Fully Functional Fingerprint Recognition Solutions</i> , May 11, 1999, (visited November 17, 1999) <a href="http://www.secugen.com/pressrel.htm">http://www.secugen.com/pressrel.htm</a> , 3 pages.					
	AJ9	<i>POLLEX Technology Ltd., The Expert in Fingerprint Identification - POLLog</i> (visited November 17, 1999) <a href="http://www.pollex.ch/english/products/pollog.htm">http://www.pollex.ch/english/products/pollog.htm</a> , 2 pages.					
	AK9	<i>Sony Fingerprint Identification Terminal</i> (visited November 17, 1999) <a href="http://www.iosoftware.com/biosols/sony/fiu/applications/fit100.htm">http://www.iosoftware.com/biosols/sony/fiu/applications/fit100.htm</a> , 2 pages.					
	AL9	<i>Sony Fingerprint Identification Unit (FIU-700)</i> (visited November 17, 1999) <a href="http://www.iosoftware.com/biosols/sony/fiu70/index.htm">http://www.iosoftware.com/biosols/sony/fiu70/index.htm</a> , 2 pages. (Unit available late 1999)					
	AM9	<i>Sony Fingerprint Identification Unit</i> (visited November 17, 1999) <a href="http://www.iosoftware.com/biosols/sony/fiu/index.htm">http://www.iosoftware.com/biosols/sony/fiu/index.htm</a> , 3 pages.					
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EXAMINER INITIAL	DOC. REF.	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AA10						Yes No
	AB10						Yes No
	AC10						Yes No
	AD10						Yes No
<b>OTHER (Including Author, Title, Date, Pertinent Pages, etc.)</b>							
	AE10	<i>Fujitsu Fingerprint Recognition Device (FPI-550)</i> (visited November 17, 1999) < <a href="http://www.iosoftware.com/biosols/fujitsu/fpi550.htm">http://www.iosoftware.com/biosols/fujitsu/fpi550.htm</a> >, 2 pages.					
	AF10	<i>Mitsubishi MyPass LP-1002</i> (visited November 17, 1999) < <a href="http://www.iosoftware.com/biosols/mitsubishi/mypass.htm">http://www.iosoftware.com/biosols/mitsubishi/mypass.htm</a> >, 2 pages.					
	AG10	<i>SecureTouch PV - A Personal "Password Vault"</i> (visited November 17, 1999) < <a href="http://www.biometricaccess.com/securetouch_pv.htm">http://www.biometricaccess.com/securetouch_pv.htm</a> >, 1 page.					
	AH10	<i>Digital Descriptor Systems, Inc.-Profile</i> (visited November 17, 1999) < <a href="http://www.ddsi-cpc.com/pages/profile.html">http://www.ddsi-cpc.com/pages/profile.html</a> >, 3 pages.					
	AI10	<i>Press Release: Printrak International Announces New Portable Fingerprint ID Solution</i> , December 10, 1996, (visited November 17, 1999) < <a href="http://www.scott.net/~dg/25.htm">http://www.scott.net/~dg/25.htm</a> >, 3 pages.					
	AJ10	<i>Corporate Profile</i> (visited November 17, 1999) < <a href="http://www.printrakinternational.com/corporate.htm">http://www.printrakinternational.com/corporate.htm</a> >, 1 page.					
	AK10	<i>Printrak Products</i> (visited November 17, 1999) < <a href="http://www.printrakinternational.com/Products.htm">http://www.printrakinternational.com/Products.htm</a> >, 1 page. (Discusses technology as early as 1974)					
	AL10	<i>Verifier™ 200 Fingerprint Capture Devices</i> , Cross Match Technologies, Inc., 2 pages, 1996-1997.					
	AM10	<i>Verifier 200 Direct Fingerprint Reader</i> , Cross Check Corporation, 2 pages, 1996-1997.					
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	AA11						Yes No
	AB11						Yes No
	AC11						Yes No
	AD11						Yes No
<b>OTHER (Including Author, Title, Date, Pertinent Pages, etc.)</b>							
	AE11	Verifier™ 250 Fingerprint Capture Devices, Cross Match Technologies, Inc., 2 pages, 1996-1997.					
	AF11	Verifier 250 Small Footprint Direct Fingerprint Reader, Cross Check Corporation, 2 pages, 1996-1997.					
	AG11	Verifier™ 290 Fingerprint Capture Devices, Cross Match Technologies, Inc., 2 pages, 1996-1997.					
	AH11	Verifier 290 Direct Rolled Fingerprint Reader, Cross Check Corporation, 2 pages, 1996-1997.					
	AI11	Verifier™ 500 Fingerprint Capture Devices, Cross Match Technologies, Inc., 2 pages, 1998.					
	AJ11	Biometric terminal, 1 page.					
	AK11	10-Print Imaging System, Cross Check Corporation, 2 pages, 1998.					
	AL11	Cross Match Technologies, Inc. (visited March 25, 1999) < <a href="http://www.crossmatch.net/">http://www.crossmatch.net/</a> >, 1 page.					
	AM11	Cross Match Technologies, Inc. - Products Overview (visited March 25, 1999) < <a href="http://www.crossmatch.net/new/products/product-index.html">http://www.crossmatch.net/new/products/product-index.html</a> >, 1 page.					
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	AA12						Yes No
	AB12						Yes No
	AC12						Yes No
	AD12						Yes No
<b>OTHER (Including Author, Title, Date, Pertinent Pages, etc.)</b>							
	AE12	<i>Cross Match Technologies, Inc. - Law Enforcement Systems</i> (visited March 25, 1999) <a href="http://www.crossmatch.net/new/law/law-index.html">http://www.crossmatch.net/new/law/law-index.html</a> , 2 pages.					
	AF12	<i>Cross Match Technologies, Inc. - Commercial Systems: Building On The Standard</i> (visited March 25, 1999) <a href="http://www.crossmatch.net/new/commercial/commercial-index.html">http://www.crossmatch.net/new/commercial/commercial-index.html</a> , 2 pages.					
	AG12	<i>Cross Match Technologies, Inc. - International Sales</i> (visited March 25, 1999) <a href="http://www.crossmatch.net/new/sales/sales-index.html">http://www.crossmatch.net/new/sales/sales-index.html</a> , 1 page.					
	AH12	<i>Cross Match Technologies, Inc. - Support</i> (visited March 25, 1999) <a href="http://www.crossmatch.net/new/support/support-index.html">http://www.crossmatch.net/new/support/support-index.html</a> , 1 page.					
	AI12	<i>Cross Match Technologies, Inc. - News - Press Releases - Verifier 400 Press Release</i> (visited March 25, 1999) <a href="http://www.crossmatch.net/new/news/news-pr-050798.html">http://www.crossmatch.net/new/news/news-pr-050798.html</a> , 1 page.					
	AJ12	<i>Global Security Fingerscan™ System Overview</i> (visited January 11, 2000) <a href="http://wwwu-net.com/mbp/sol/g/a9.htm">http://wwwu-net.com/mbp/sol/g/a9.htm</a> , 12 pages.					
	AK12	"Command Structure for a Low-Cost (Primitive) Film Scanner," <i>IBM Technical Disclosure Bulletin</i> , IBM Corp., Vol. 35, No. 7, December 1992, pp. 113-121.					
	AL12	<i>Fingerprint Scan API Toolkit Version 1.x Feature List</i> (April 26, 2000) <a href="http://www.mentalix.com/api/archive_fapiv1.htm">http://www.mentalix.com/api/archive_fapiv1.htm</a> , 3 pages.					
	AM12	"Image Acquisition System," <i>IBM Technical Disclosure Bulletin</i> , IBM Corp., Vol. 29, No. 5, October 1986, pp. 1928-1931.					
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	AA13						Yes No
	AB13						Yes No
	AC13						Yes No
	AD13						Yes No
<b>OTHER (Including Author, Title, Date, Pertinent Pages, etc.)</b>							
	AE13	Kunzman, Adam J. and Wetzel, Alan T., "1394 High Performance Serial Bus: The Digital Interface for ATV," <i>IEEE Transaction on Consumer Electronics</i> , IEEE, Vol. 41, No. 3, August 1995, pp. 893-900.					
	AF13	<i>Mentalix Provides The First IAFIS-Certified Latent Print Scanning Solution For Windows®</i> (July 23, 1999) < <a href="http://www.mentalix.com/pressreleases/fprintplook3_prel.htm">http://www.mentalix.com/pressreleases/fprintplook3_prel.htm</a> >, 2 pages.					
	AG13	Sluijs, F. et al., "An On-chip USB-powered Three-Phase Up/down DC/DC Converter in a Standard 3.3V CMOS Process," <i>2000 IEEE International Solid-State Circuits Conference</i> , IEEE, February 9, 2000, pp. 440-441.					
	AH13	Venot, A. et al., "Automated Comparison of Scintigraphic Images," <i>Journal of Nuclear Medicine</i> , Vol. 27, No. 8, August 1986, pp. 1337-1342.					
	AI13	English-language Abstract for Japanese Patent Publication No. 59-103474, published June 14, 1984, printed from espacenet.com, 1 page.					
	AJ13	English-language Abstract for Japanese Patent Publication No. 62-212892, published September 18, 1987, printed from espacenet.com, 1 page.					
	AK13	English-language Abstract for Japanese Patent Publication No. 1-205392, published August 17, 1989, printed from espacenet.com, 1 page.					
	AL13	English-language Abstract for Japanese Patent Publication No. 3-161884, published July 11, 1991, printed from espacenet.com, 1 page.					
	AM13	English-language Abstract for Japanese Patent Publication No. 3-194674, published August 26, 1991, printed from espacenet.com, 1 page.					
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	AA14						Yes No
	AB14						Yes No
	AC14						Yes No
	AD14						Yes No
<b>OTHER (Including Author, Title, Date, Pertinent Pages, etc.)</b>							
	AE14	English-language Abstract for Japanese Patent Publication No. 3-194675, published August 26, 1991, printed from espacenet.com, 1 page.					
	AF14	English-language Abstract for Japanese Patent Publication No. 10-079017, published March 24, 1998, printed from espacenet.com, 1 page.					
	AG14	English-language Abstract for Japanese Patent Publication No. 10-262071, published September 29, 1998, printed from espacenet.com, 1 page.					
	AH14	English-language Abstract for Japanese Patent Publication No. 11-167630, published June 22, 1999, printed from espacenet.com, 1 page.					
	AI14	English-language Abstract for Japanese Patent Publication No. 11-225272, published August 17, 1999, printed from espacenet.com, 1 page.					
	AJ14	English-language Abstract for Japanese Patent Publication No. 11-252489, published September 17, 1999, printed from espacenet.com, 1 page.					
	AK14	English-language Abstract for Japanese Patent Publication No. 11-289421, published October 19, 1999, printed from espacenet.com, 1 page.					
	AL14						
	AM14						
EXAMINER					DATE CONSIDERED		
<b>EXAMINER:</b> Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.							